

**AP20 Rec'd PCT/PTO 02 JUN 2006**

## UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Martin Stickel

Application Number: Unassigned

Filing Date: Concurrently Herewith

Group Art Unit:

Examiner:

Title: FLUID HEATING DEVICE, CONTINUOUS FLOW  
HEATER, AND METHOD FOR THE PRODUCTION  
THEREOF

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. 1.98, I am submitting a completed "INFORMATION DISCLOSURE STATEMENT BY APPLICANT" (*Form PTO/SB/08A*) with patents and/or publications as delineated therein attached.

DE 198 52 888 discloses the U-shaped heater element (3) is enclosed by the U-shaped water tube (2). Above them a warming plate (4) is arranged from the underside of which a stud (5) projects. A sprung plate (6) has a hole in the center with a claw shaped profile. To secure the element and tube in position the stud is inserted in the hole and the plate, spanning the two, is forced down the stud to lock warming plate, tube and element together.

DE 198 45 219 discloses the contact element (9) of the heating device creates the thermal contact between the heating element (10) and a medium located in the appliance container. The contact element (9) is equipped with a contact surface (12) and the domestic appliance has a container formed out of at least two parts.

DE 197 32 414 discloses that the heater has a metal throughflow chamber with an inlet (2) and an outlet (3) and with at least one thick film heating element (10). The thick film heating element extends between the inlet and outlet on the outer surface. The thick film heating element has a tapering surface cross-section continuously reducing from the inlet to the outlet. Thick film temperature sensors can be mounted on the chamber near the inlet or outlet.

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EP 1 152 639 discloses that the device has a bearer (2) with at least one electrical heating resistance (10) in flat conductor, especially thick film, technology forming a heating zone, at least one associated temperature sensor (20) and electrical contacts (19,24) for the heating zone and temperature sensor. The contacts are closely spaced in a connection area (26) so that they can be contacted by a common connector (30).

EP 1 070 922 discloses that the heating device has at least one heating element (30), at least one heat transfer element (20) in thermally conducting connection with the heating element and fluid, a common temp. monitoring device (50) for the heating element and for the fluid and a controller. The temp. monitoring device is connected to the controller and delivers an output signal to it depending on the temp. variation in the heating element and/or heat transfer element. An Independent claim is also included for a method of controlling a heating device for fluids.

If no translation of pertinent portions of any foreign language patents or publications mentioned within the "INFORMATION DISCLOSURE STATEMENT BY APPLICANT" is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the Applicant. As per the Notice in 1273 OG 55 (August 5, 2003) no copies of any above-mentioned US patents and US patent application publications are submitted for this application which was filed after June 30, 2003.

Respectfully submitted



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June 2, 2006

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006, OMB 0651-0031

Approved for use through 01/01/2009. GPO 2007-088.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**Substitute for form 1449/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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of 2

**Complete if Known**

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**Unassigned**

### Concurrently H

Martin Stickel

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		DE 198 52 888	05/31/2000	Andreas Birk et al		
		DE 71 32 663	02/17/1972	Gerhard Liedl		
		DE 198 45 219	04/06/2000	Guenther Biechele et al		
		DE 197 32 414	02/04/1999	Peter Gellert		
		EP 1 152 639	11/07/2001	Volker Block		
		GB 2 350 734	12/06/2000	Jacques Imbeaud et al		✓

<b>Examiner Signature</b>		<b>Date Considered</b>	
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-BTO-9199 (1-800-786-9199) and select option 3.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TC/

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*(Use as many sheets as necessary)*

Sheet 2 of 2

### **Complex UK job**

Application Number	Unassigned
Filing Date	Concurrently Herewith
First Named Inventor	Martin Stickel
Art Unit	
Examiner Name	
Attorney Docket Number	2003P01010WOUS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
		GB 2 324 014	10/07/1998	Nicholas J. Beck	
		GB 2 193 563	02/10/1988	Helmut Jerg et al	
		EP 1 070 922	01/24/2001	Gerold Zinner	
		International Search Report PCT/EP2004/053248			

Examiner Signature	/Thor Campbell/	Date Considered	06/21/2009
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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